

AMENDED CLAIMS

received by the International Bureau on 29 august 2005 (29.08.2005): original claims 1-4 have been replaced by amended claims 1-3.

5 1. A method of generating power from a pressure control station of a natural gas distribution system, comprising the steps of:

channelling natural gas entering the pressure control station into a turbine (52) which is powered by expansion of the natural gas as the pressure of the natural gas is reduced; and capturing the output of the turbine (52) for application for useful purposes;

10 channelling natural gas exiting the turbine (52) through a first heat exchanger (56) to extract cold temperature, accompanying the reduction in pressure, from the natural gas for use in one of refrigeration or air conditioning.

15 2. The method as defined in Claim 1, the turbine (52) being used to power an electrical generator (54).

20 3. The method as defined in Claim 1, using a portion of the natural gas to power a gas fuelled turbine power generator (58), passing the exhaust gases from the gas fuelled turbine power generator (58) through a first heat exchanger (66) to preheat a liquid and then passing the liquid through a second heat exchanger (78) to preheat the natural gas being channelled into the turbine (52) and capturing the output of the gas fuelled turbine power generator (58) for application for useful purposes.